

Using Prescription Painkillers or Heroin?

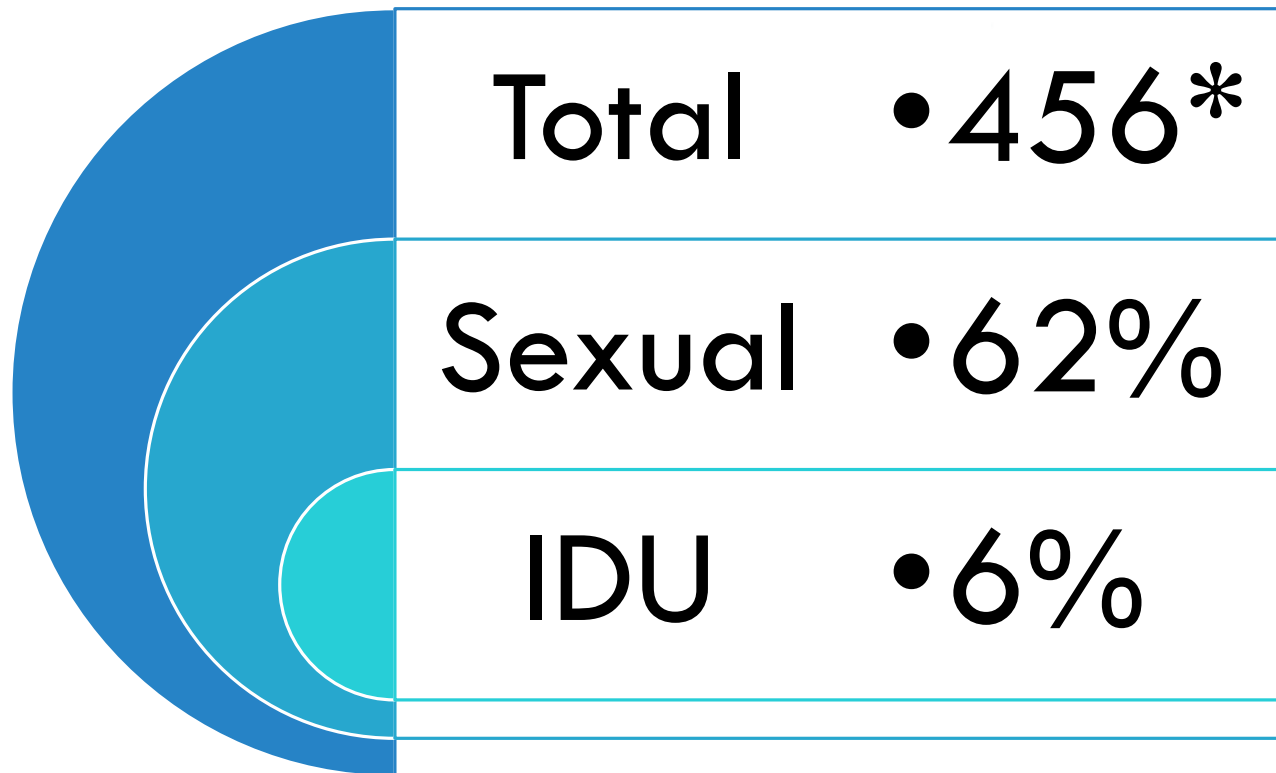
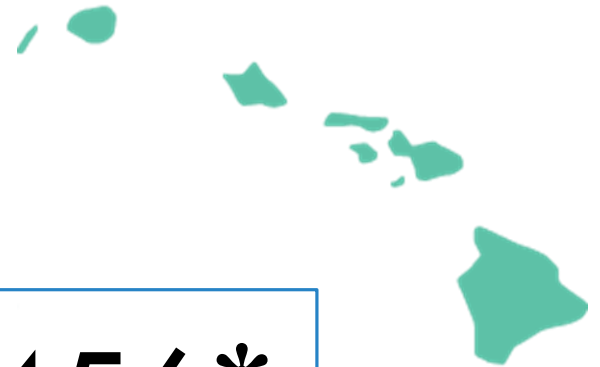


HOW TO SHOOT UP SAFELY

Intersection of Drugs
and Hepatitis C in
Hawaii

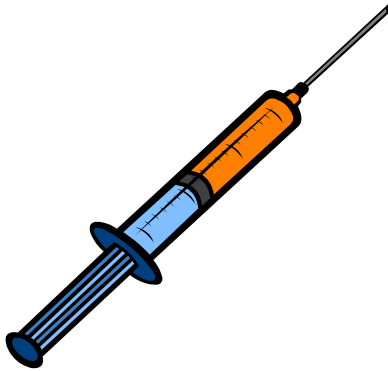
Thaddeus Pham, Hawaii Department of Health
July 2016

HIV IN HAWAII



*2008-2012 from 2014 HIV Surveillance Report (HDOH)

HEPATITIS VS. HIV



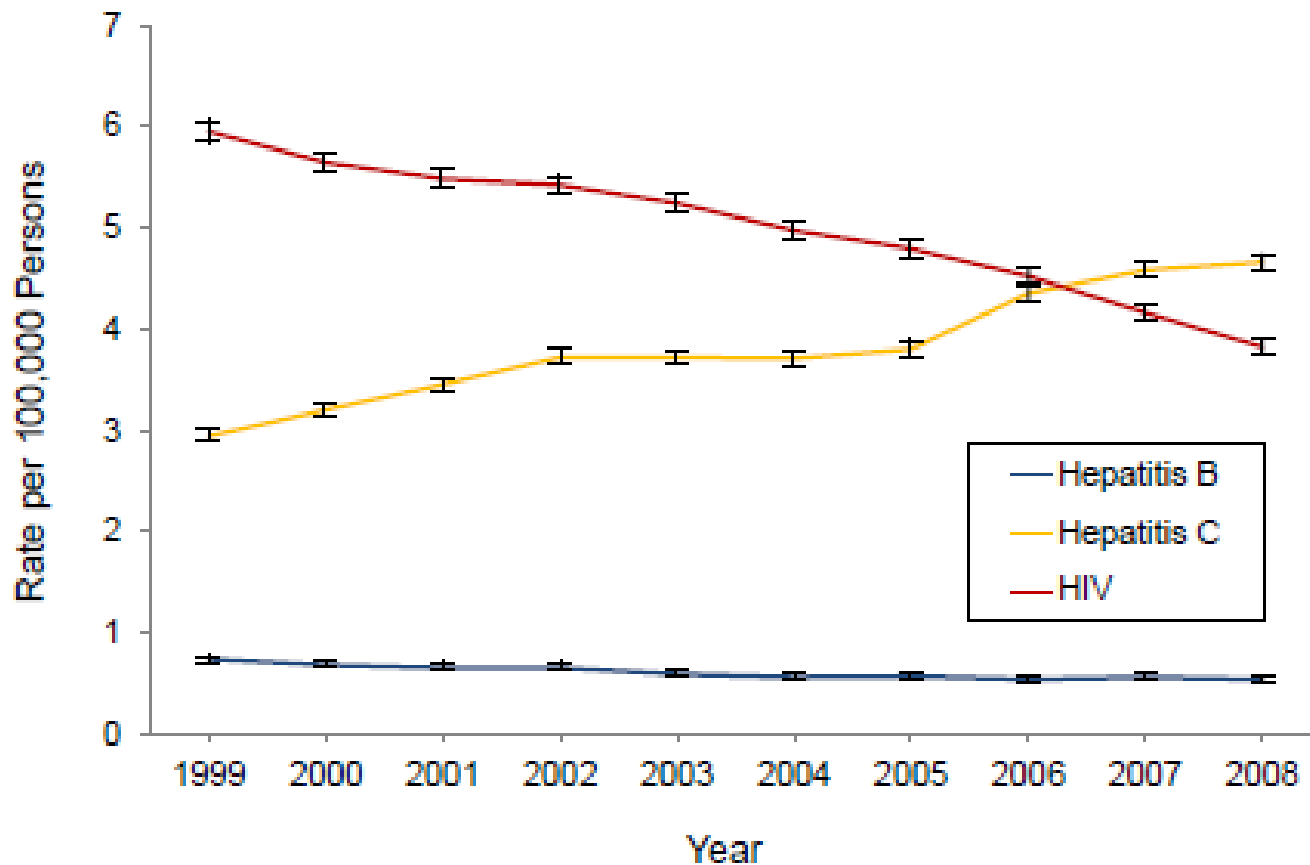
HIV
0.3%

HCV
3%

HBV
30%

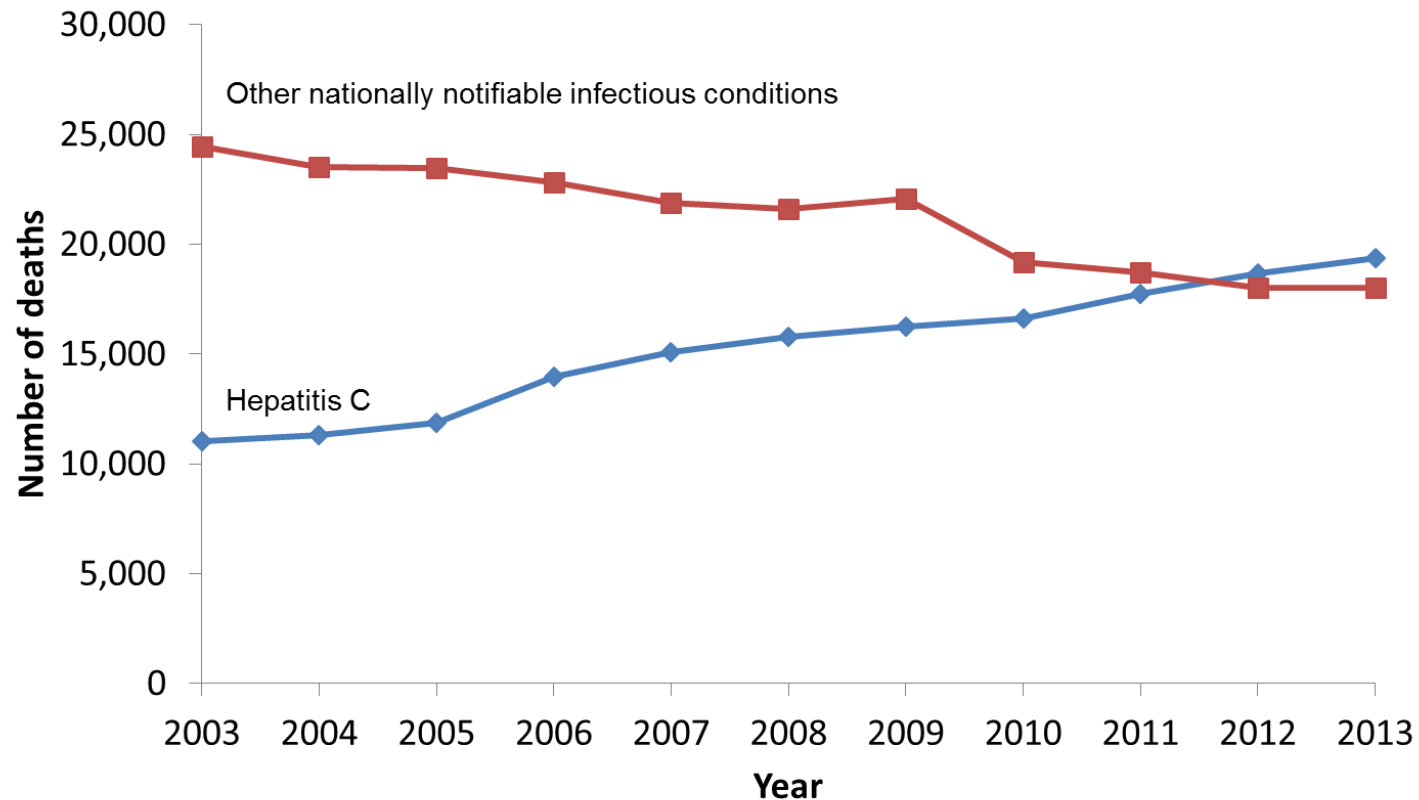
Risk of infection from needle stick

HEPATITIS VS. HIV



Ly, K.N., et al., The increasing burden of mortality from viral hepatitis in the United States between 1999 and 2007. *Ann Intern Med*, 2012. 156(4): p. 271-8.

HEPATITIS C VS. OTHER



Holmberg SD, Ly KN, Xing J, Moorman AC. Continued Rising Mortality from Hepatitis C Virus in the United States, 2003-2013 [abstract #1972]. IDWeek, San Diego, CA, October 7-11, 2015. <https://idsa.confex.com/idsa/2015/webprogram/Paper50299.html>

HEPATITIS IN HAWAII



More than 1 out of 20 people

HEPATITIS IN HAWAII



Asians, Pacific Islanders
Hep B

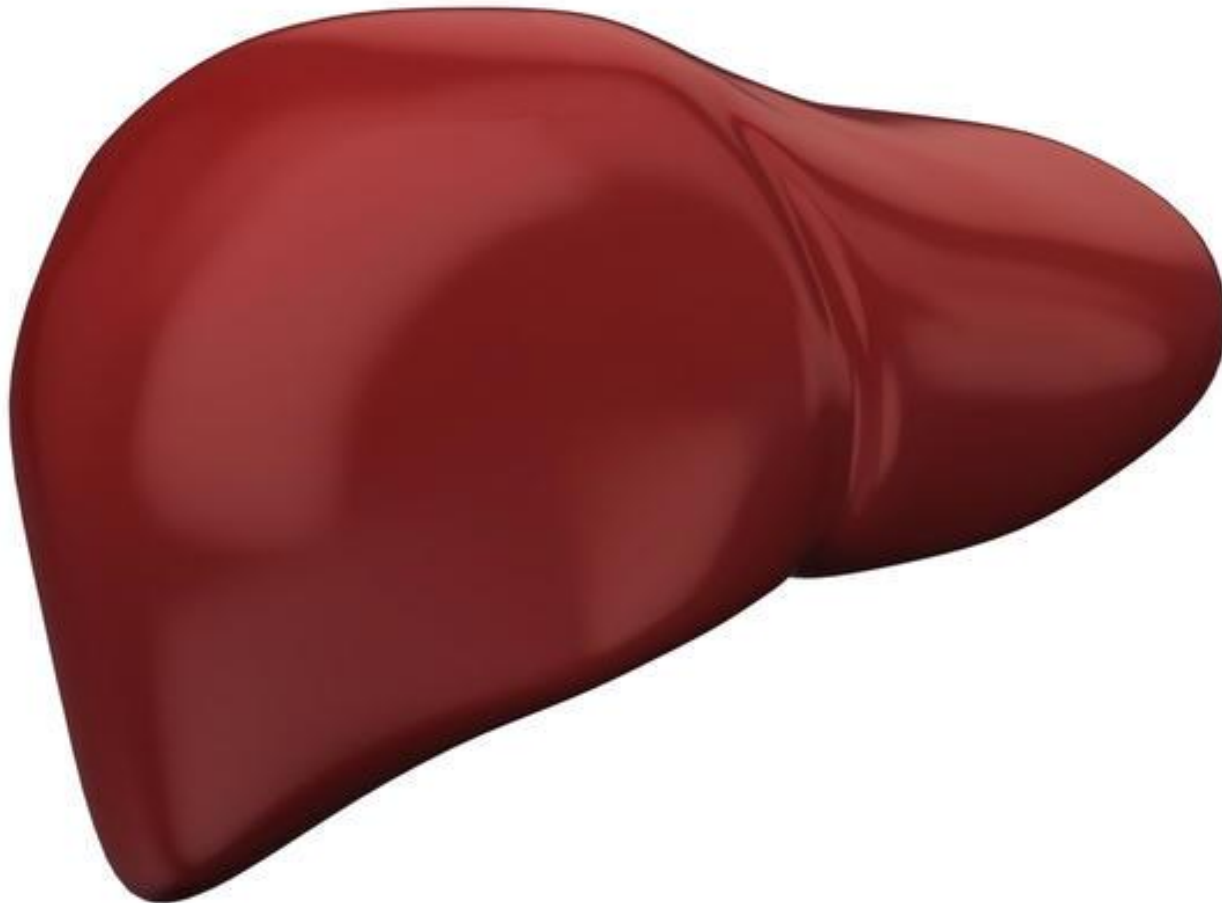


Born 1945-1965
Hep C



People who inject drugs
Hep B and C

MEET YOUR LIVER!



WHAT DOES MY LIVER DO?

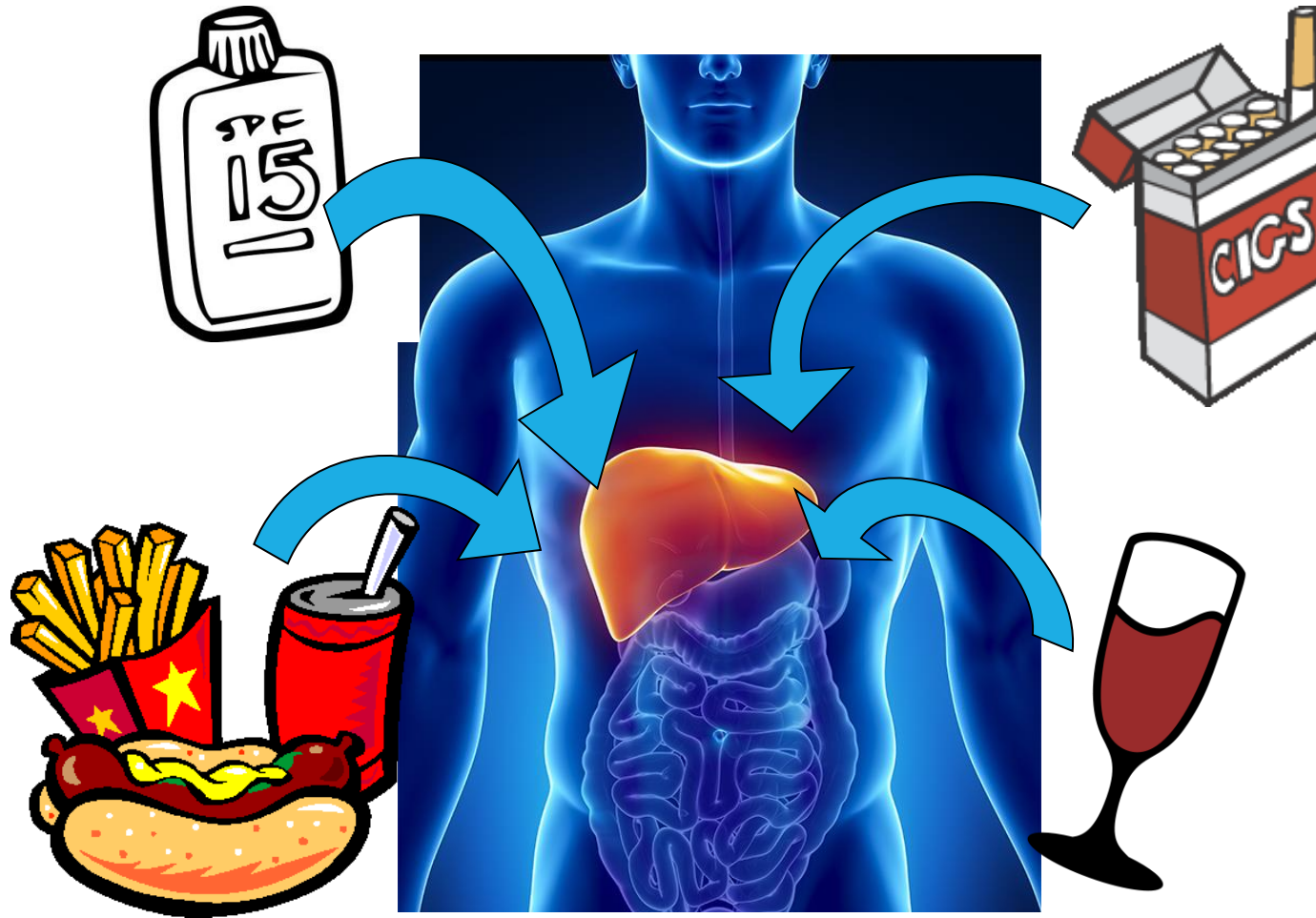
Largest
internal organ

Ability to
regenerate



500+ vital
functions:
digestive,
vascular,
metabolic
activities

WHAT DOES MY LIVER DO?



HEPATITIS AFFECTS THE LIVER

“Inflammation of the liver”

Viruses, alcohol, medications,
and other toxins

Focus on viral hepatitis
(chronic and acute)



HEPATITIS CAN LEAD TO CANCER



No symptoms
for 20 years +

Cirrhosis,
fibrosis, cancer

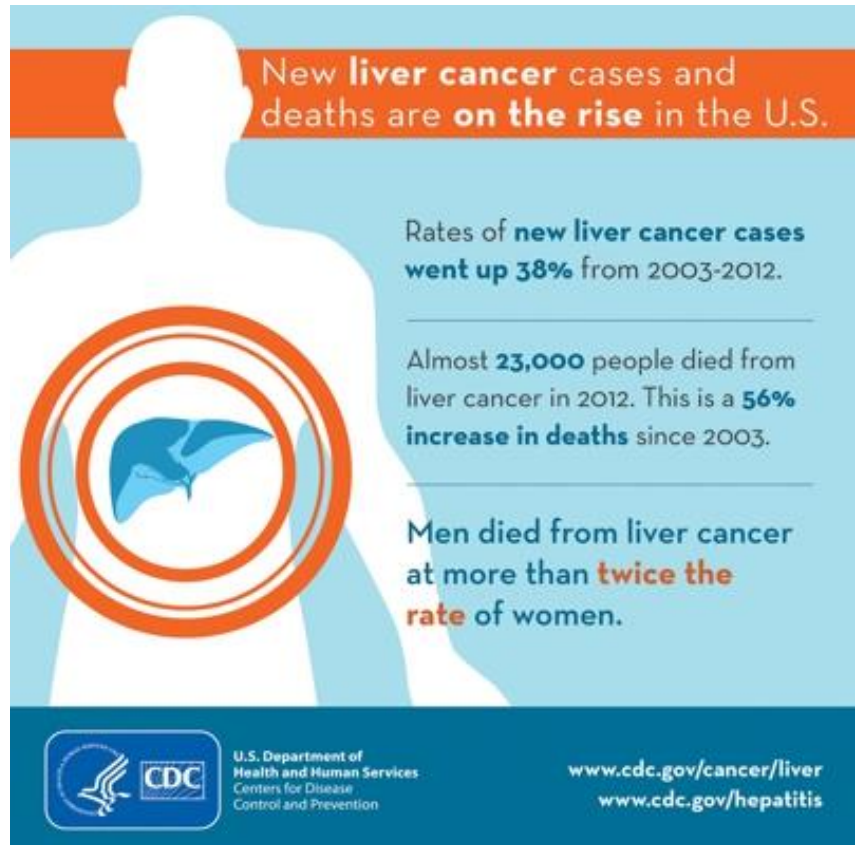
LIVER CANCER IS RISING

HBV

- +5.4%
- 2012-2013

HCV

- 151%
- 2010-2013



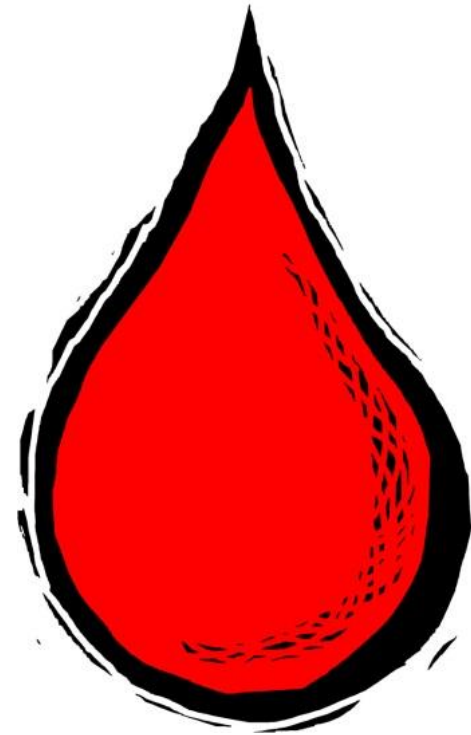
C IS FOR...COOKER!

How you get?

- Blood to Blood

What happens?

- $\frac{3}{4}$ will become chronic
- Curable, if chronic
- NO VACCINE/IMMUNITY

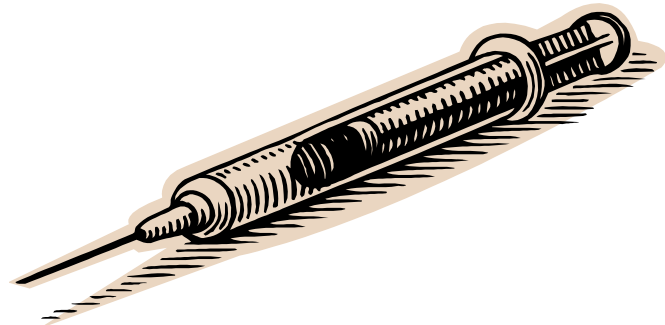


IMPACT: INJECTORS

Not only NEEDLES

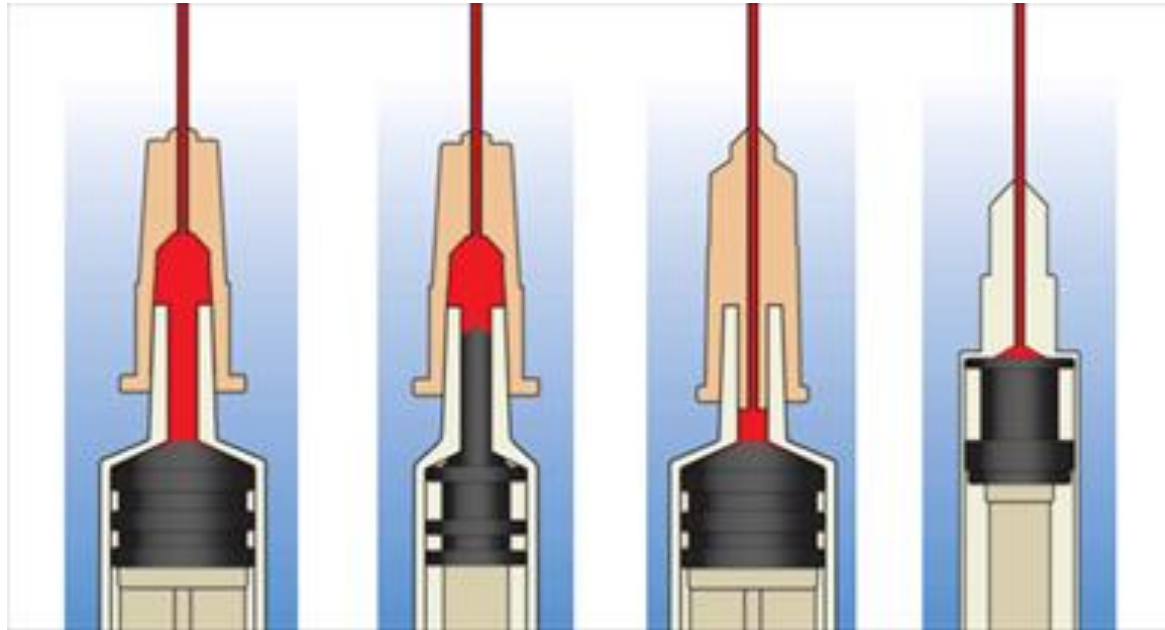
- cookers
- cottons
- water
- other paraphernalia

Bleach may kill HCV but only if properly used

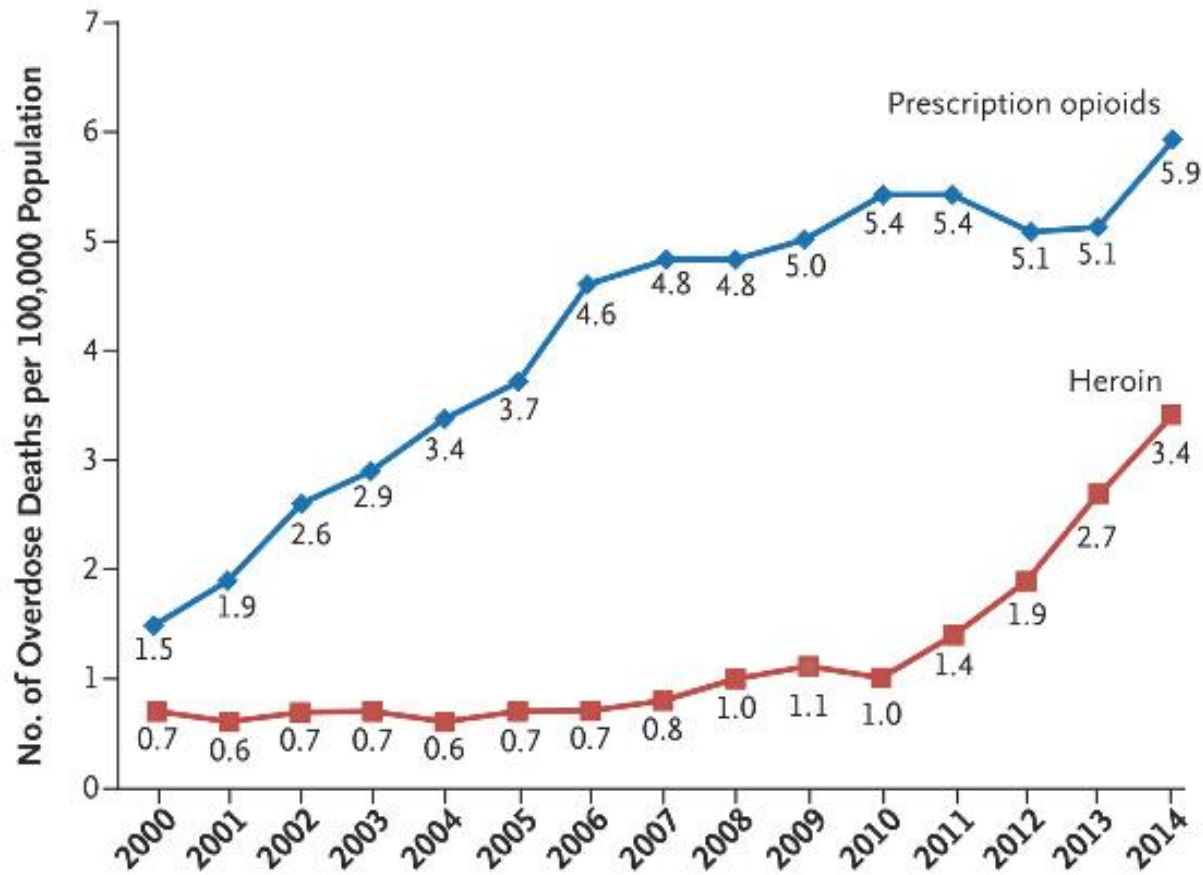


Not only DRUG USERS
transgender (hormones)
bodybuilders (steroids)
diabetics (insulin)

LET'S TALK ABOUT DEAD SPACE



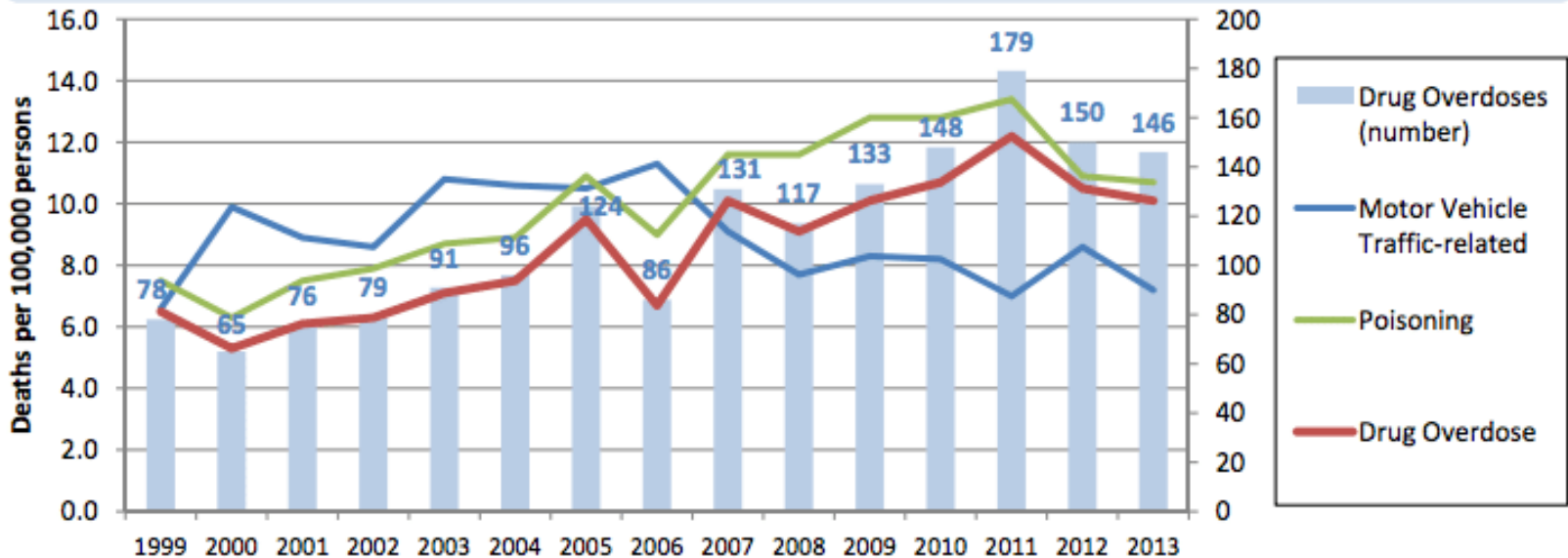
LET'S TALK ABOUT DRUGS



Compton, W, et al. N Engl J Med, Jan14, 2016

LET'S TALK ABOUT DRUGS

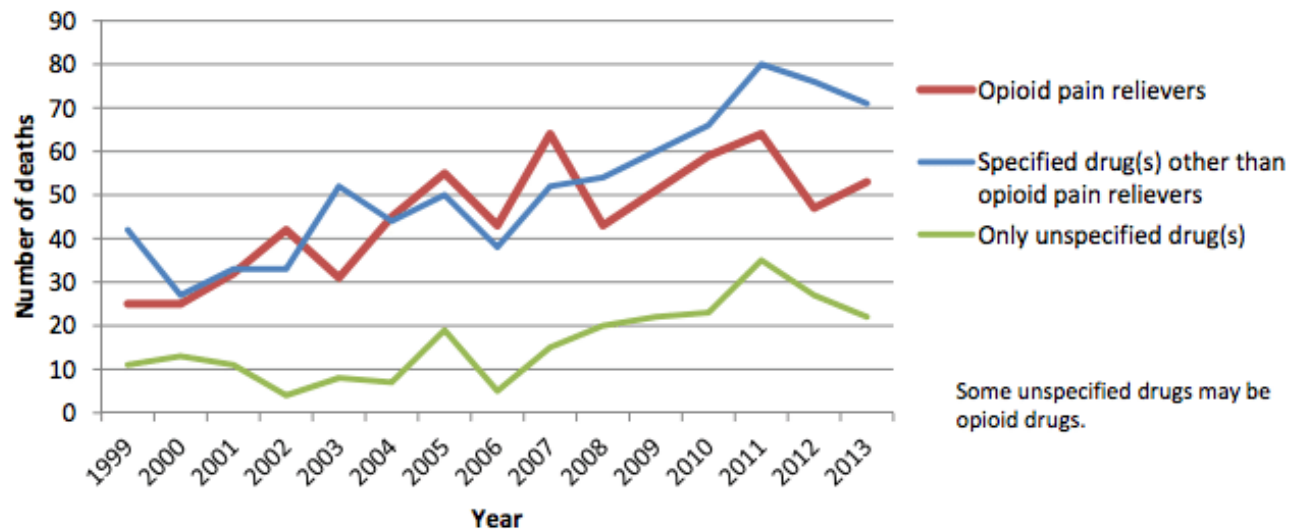
Figure 1. Drug overdose death rates* compared to motor vehicle-related death rates, Hawaii residents, 1999-2013
(Lines show age-adjusted death rates (per 100,000 residents), while actual number of fatalities is indicated by bar and label.)



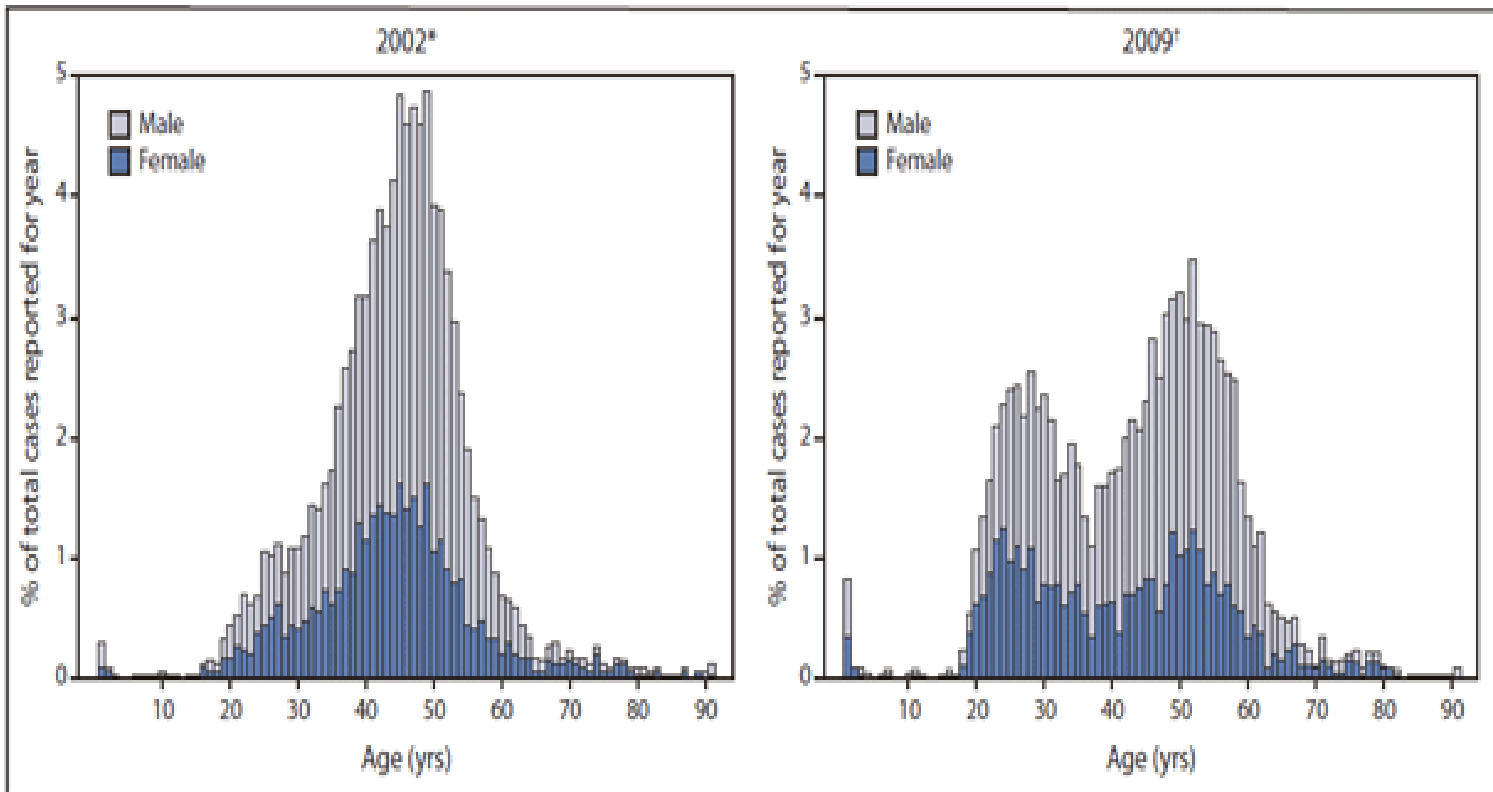
LET'S TALK ABOUT DRUGS

(All data in this factsheet is taken from death certificates archived by the Hawaii Department of Health.)

Figure 2. Number of drug overdose deaths involving opioid pain relievers and other drugs, Hawaii residents, 1999-2013

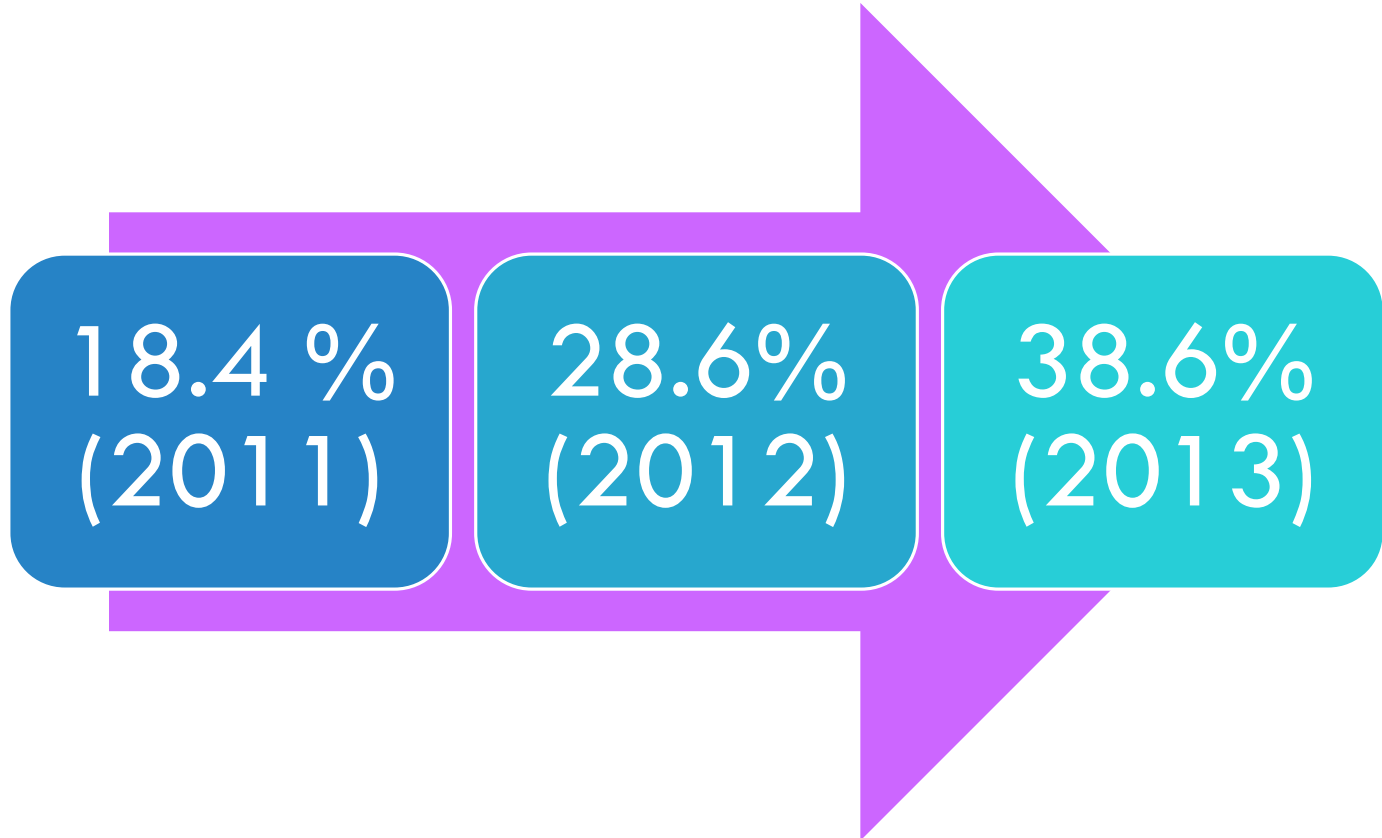


IMPACT: YOUNG PWID



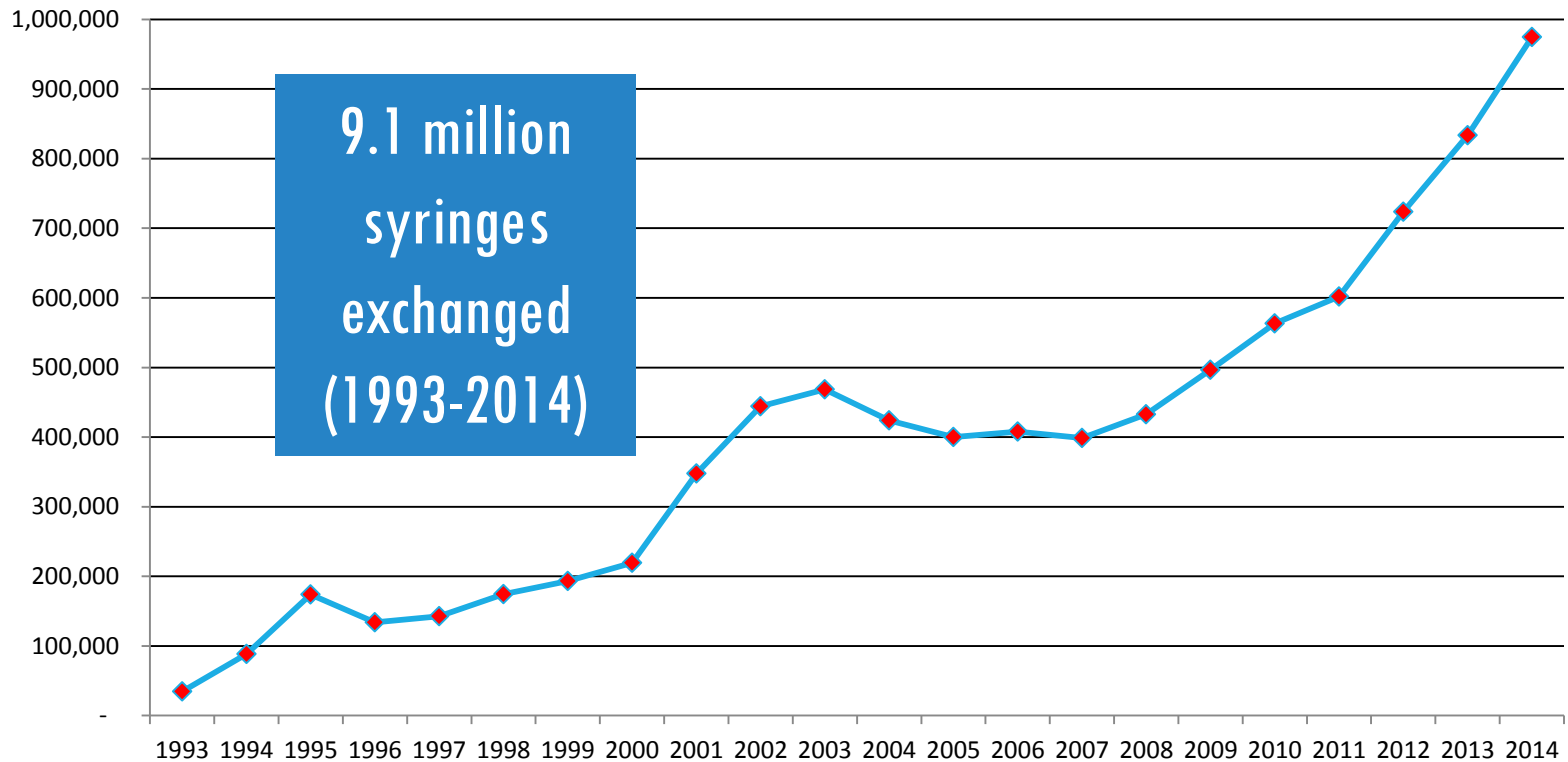
Massachusetts (MMWR 2011)

IMPACT: YOUNG PWID



CHOW Project Data

SYRINGES EXCHANGED IN HAWAII



IMPACT: BABY BOOMERS

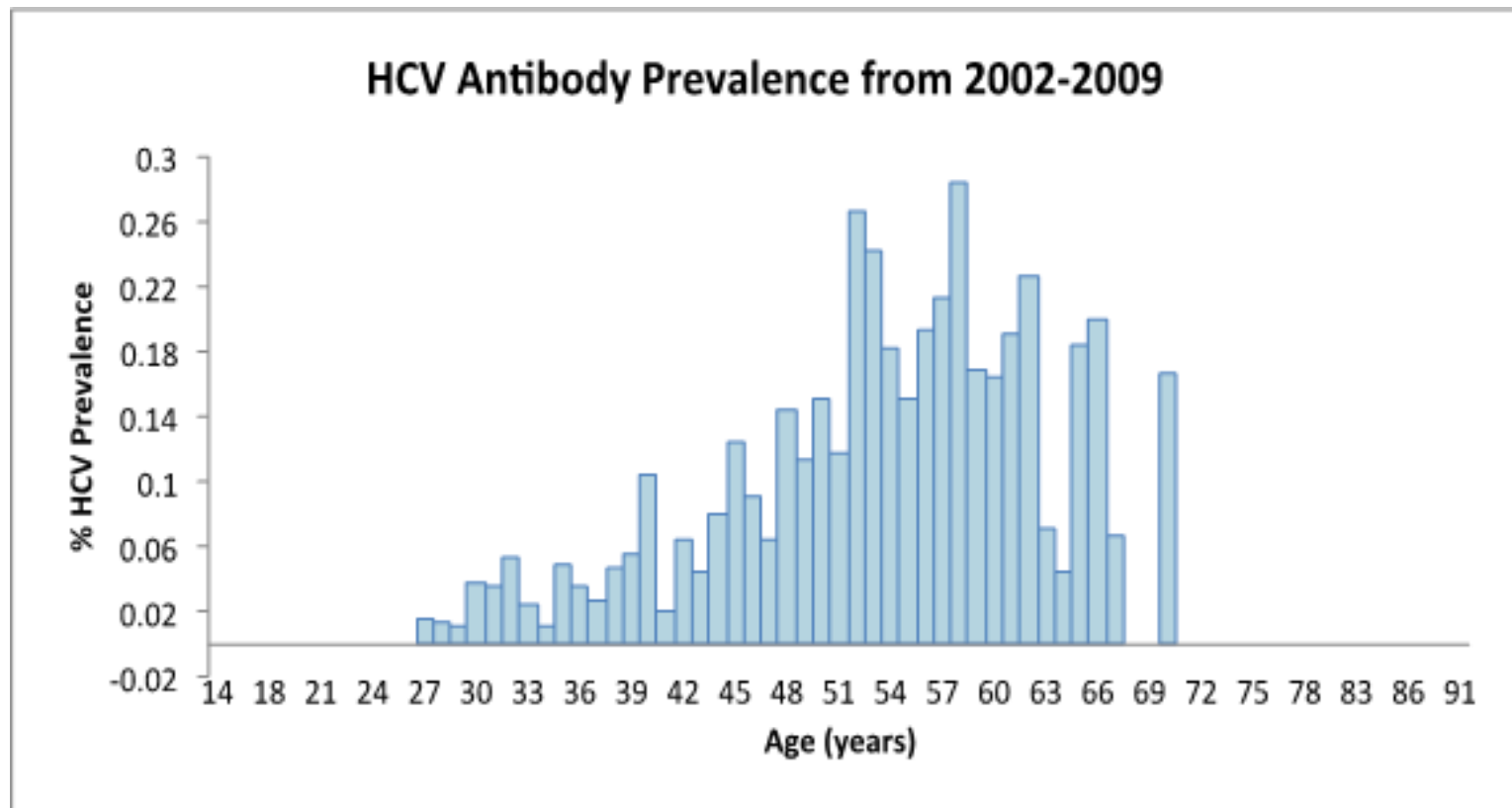


Born 1945 to 1965

- 1/33 have hep C
- Should get tested

1 out of 4 people in
Hawaii are baby
boomers!

IMPACT: BABY BOOMERS



HEALTHCARE ACQUIRED HEP C

THE LANCET Infectious Diseases

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Apportioning blame in the North American hepatitis C virus epidemic

Anne C Spaulding , Lesley S Miller
Published Online: 30 March 2016

 11

DOI: [http://dx.doi.org/10.1016/S1473-3099\(16\)30002-0](http://dx.doi.org/10.1016/S1473-3099(16)30002-0)

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Summary

Full Text

Tables and Figures

References

A novel investigation into the North American spread of hepatitis C virus permits blame shifting, which the authors Jeffrey Joy and colleagues hope will increase the number of baby boomers who undergo testing.¹ The medical community can now take its share of the responsibility for hepatitis C virus infection in its conversations with the 1945–65 birth cohort. Joy and colleagues offer evidence that the era of high rates of transmission and rapid expansion of hepatitis C virus infections was from 1940 to 1960, when reuse of glass and metal syringes was common medical practice.

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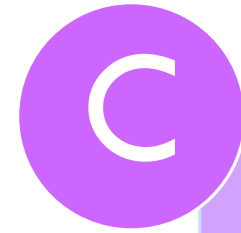
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STORY TIME IN VEGAS



TREATMENT FOR HEP C



Cure!

Cure! (Sustained Virologic Response)

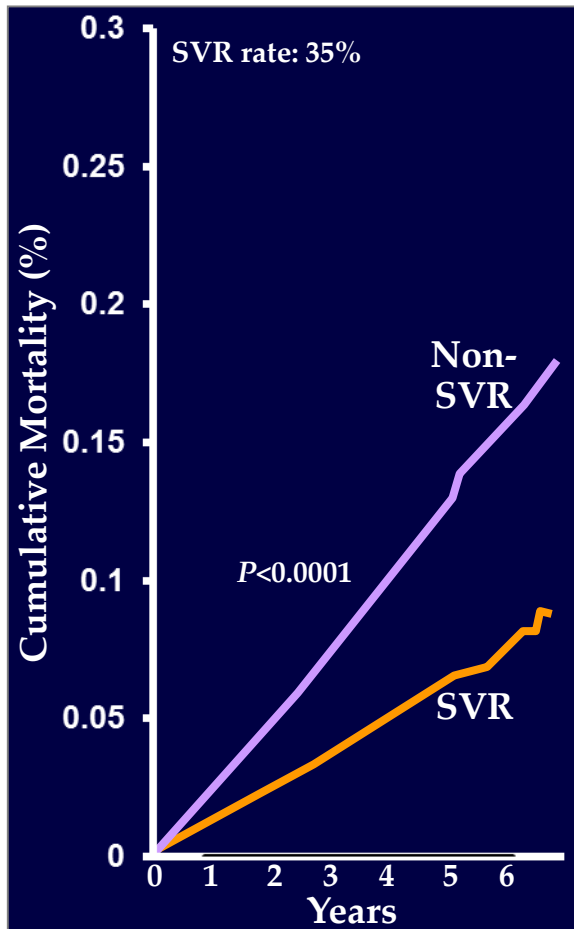
Above 90%

Minimal side effects, short duration

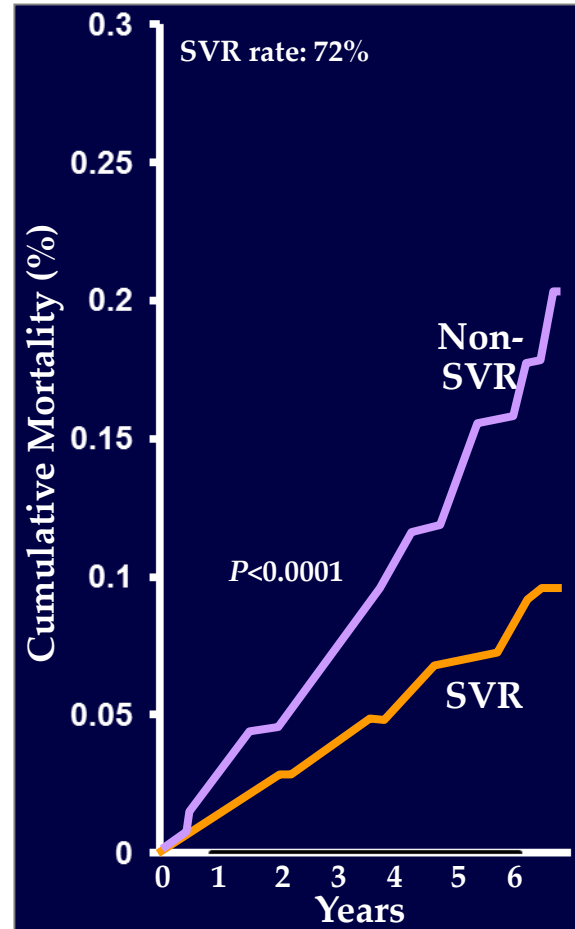
Cost up to \$100K, no immunity, insurance

ONLY 9% treated nationally

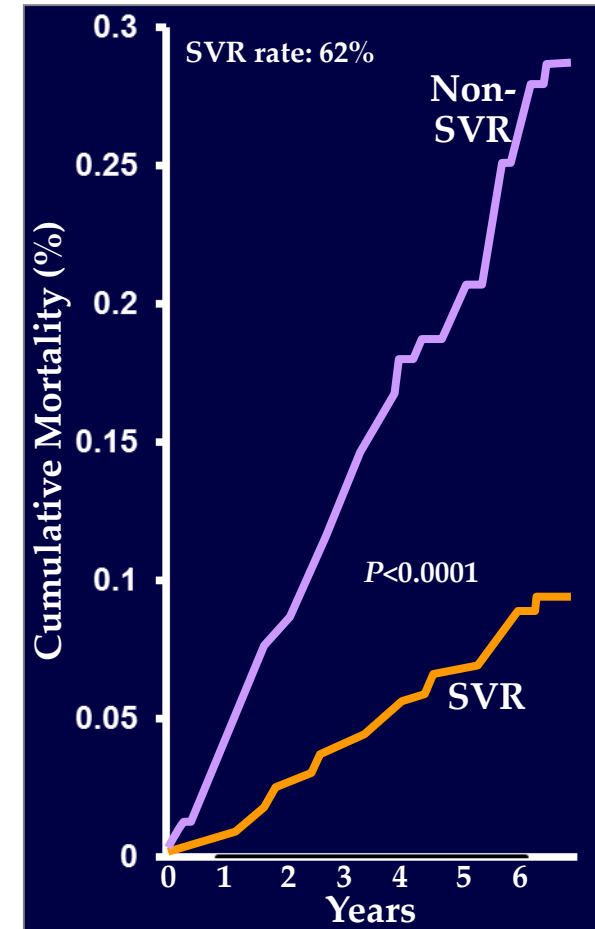
Genotype 1
(n=12,166)



Genotype 2
(n=2904)



Genotype 3
(n=1794)



Retrospective analysis of veterans who received pegIFN + RBV at any VA medical facility (2001-2008).

Backus LI, et al. *Clin Gastroenterol Hepatol*. 2011;9:509-516.

HEPATITIS IN HAWAII



More than 1 out of 20 people

WHAT YOU CAN DO



Universal Precautions



Screen Baby Boomers



Screen PWID



Report to DOH

1

**ONE NEEDLE,
ONE SYRINGE,
ONLY ONE TIME.**



Safe Injection Practices Coalition

www.ONEandONLYcampaign.org



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Over 20 Years of Harm Reduction with Aloha

**The CHOW Project supports the
optimal health and well-being of
people affected by drug use
throughout Hawai'i.**

www.chowproject.org



FIGHT BACK, HAWAII

#TAKETHATHEPATITIS



Dept of Health

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Hep Free Hawaii

www.hepfreehawaii.org

@hepfreehawaii on social media